LUNG/CHEST PHANTOMS
THE NEXT BEST THING TO HUMAN LUNGS FOR RADIOGRAPHIC STUDIES

- Extensive Vascular Detail
- Different Degrees of Vascular Contrast Available
- Interchangeable Normal and Pathological Lungs
- Lung Wrap-Around Pathology Overlays

No added contrast  Low Contrast  High Contrast
Developed in conjunction with the University of California at Irvine's Department of Radiological Sciences, the Alderson Lung/Chest Phantom is a specialized phantom, providing a high degree of realism in chest radiography.

The Alderson Lung/Chest Phantom extends from the neck to below the diaphragm. It is molded about a male skeleton, corresponding to the external body size of a patient, 5 foot, 9 inches (175 cm) tall and weighing 162 lbs. (73.5 kg). RSD materials are equivalent to natural bone and soft-tissues.

Animal lungs are selected to match the size of an adult male. Lungs are fixed in the inflated state and are molded to conform to the pleural cavities of the phantom. The pulmonary arteries are injected with a blood-equivalent plastic.

The Lung/Chest Phantom with simulated left coronary artery reveals several areas of coronary artery irregularity and narrowing.

To demonstrate different pathological conditions, five standard pathologies are incorporated:

- Two contiguous 0.5 cm nodules at the tip of the first left rib.
- A 0.6 cm nodule superimposed with large vessel in the left lower lobe.

- A 1.5 cm nodule, left mediastinal shadow.
- A 0.6 cm nodule blending in with the right pulmonary artery.
- Pneumonia in the right lower lobe.

**Custom pathologies are available upon request.**

The Lung/Chest Phantom is available either with the diaphragm permanently sealed to the interior of the phantom, fixing the lungs in place, or with a removable diaphragm, which permits the interchange of lungs, and provides an unlimited number of configurations and disease simulations.

Custom pathologies available as wrap-around sheets on either or both lungs. All models are available with blood-equivalent pulmonary arteries, or with low or high contrast media added.

**Model Numbers**

RS-310 Lung/Chest Phantom with permanently sealed diaphragm.
RS-315 Lung/Chest Phantom with permanently sealed diaphragm and left coronary artery
RS-320 Lung/Chest Phantom with removable diaphragm, lung pair insert without coronary artery.
RS-330 Lung/Chest Phantom with removable diaphragm, lung pair insert with coronary artery.
RS-340 Lung pair insert without coronary artery.
RS-345 Lung pair insert with coronary artery.
RS-350 Wrap-around pathology sheets.

RADIOLoGY SUPPORT DEVICES